ATN Update

OVERVIEW

- The new ATN PMO
- Status
- Projects & Issues

AFIADL/DB

INSTRUCTIONAL BROADCASTING

AFIADL/DB

INSTRUCTIONAL BROADCASTING

MISSION STATEMENT:

To provide quality instructional broadcasts for the Air Force's distance learning programs

***PURPOSES*:**

To be the focal point for implementation and operation of the Air Force's interactive television (ITV) satellite network, the *Air Technology Network (ATN)*

To be the focal point for satellite broadcast distribution of data & asynchronous video for advanced distributed learning

LOCATION:

Wright-Patterson AFB OH, Area B, Bldgs 641 & 645

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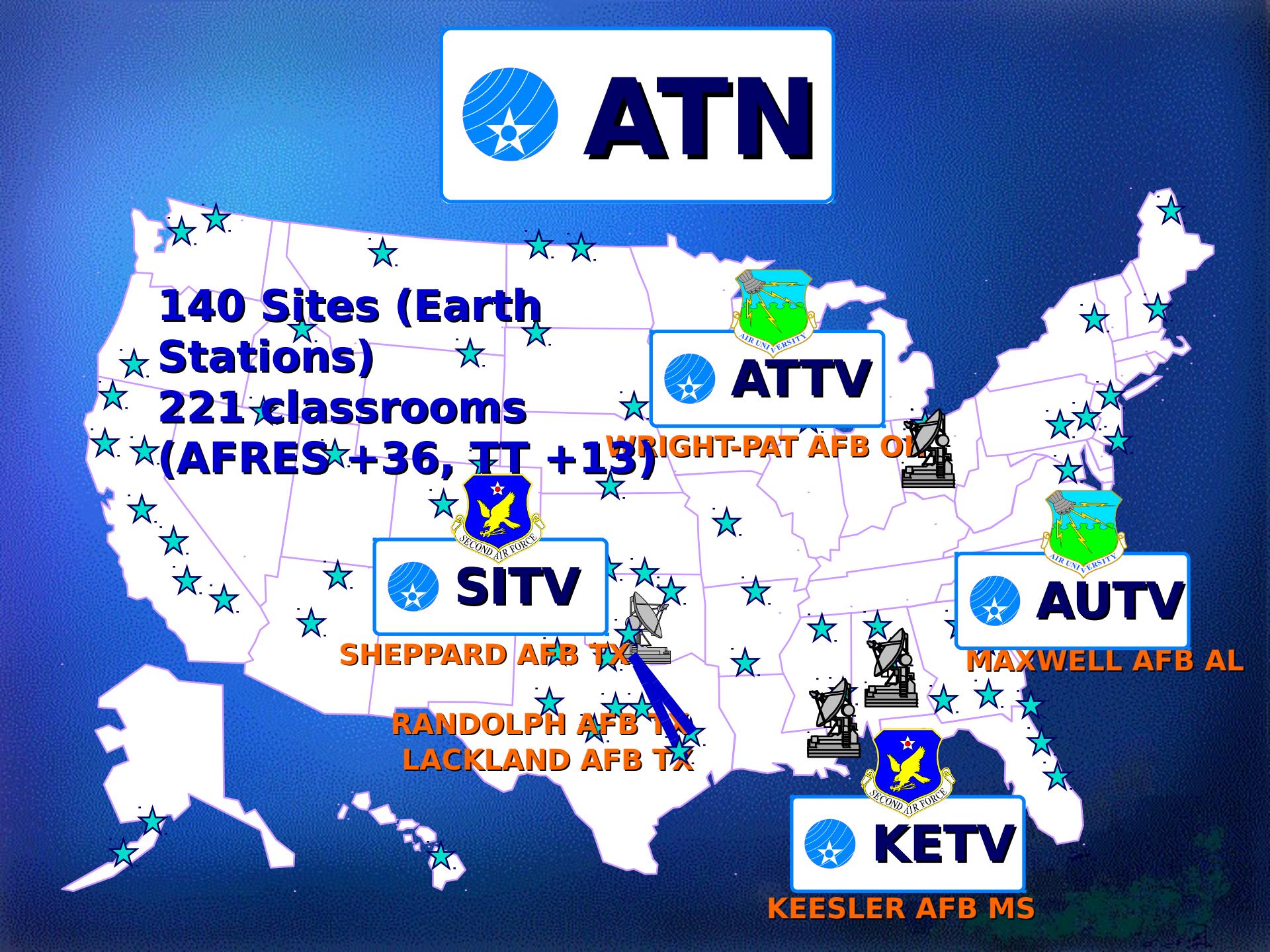
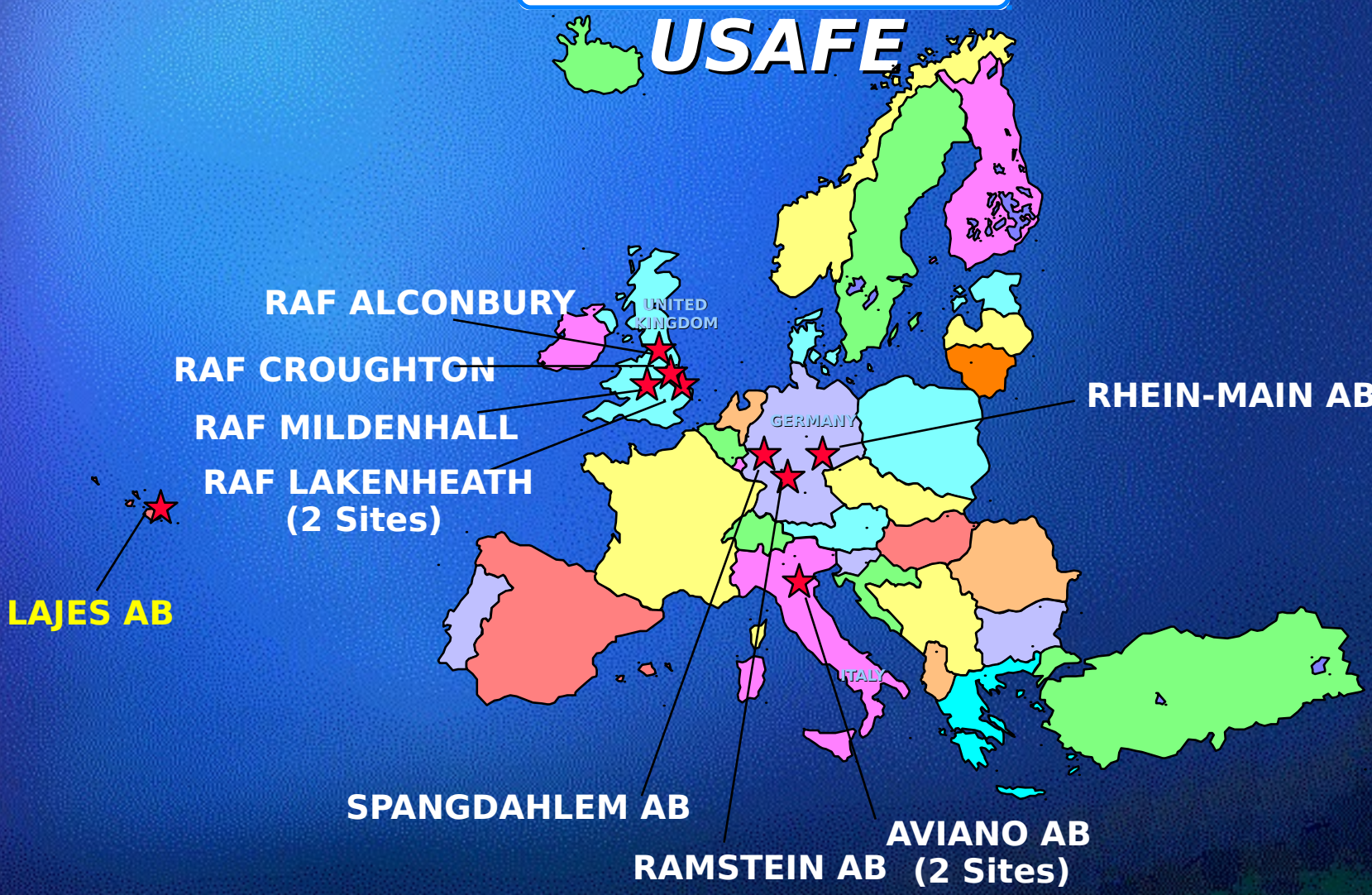

ATN
140 Sites (Earth Stations)
221 classrooms
(AFRES +36, TT +13)
ATTV
WRIGHT-PAT AFB OH
SITV
SHEPPARD AFB TX
RANDOLPH AFB TX
LACKLAND AFB TX
AUTV
MAXWELL AFB AL
KETV
KEESLER AFB MS

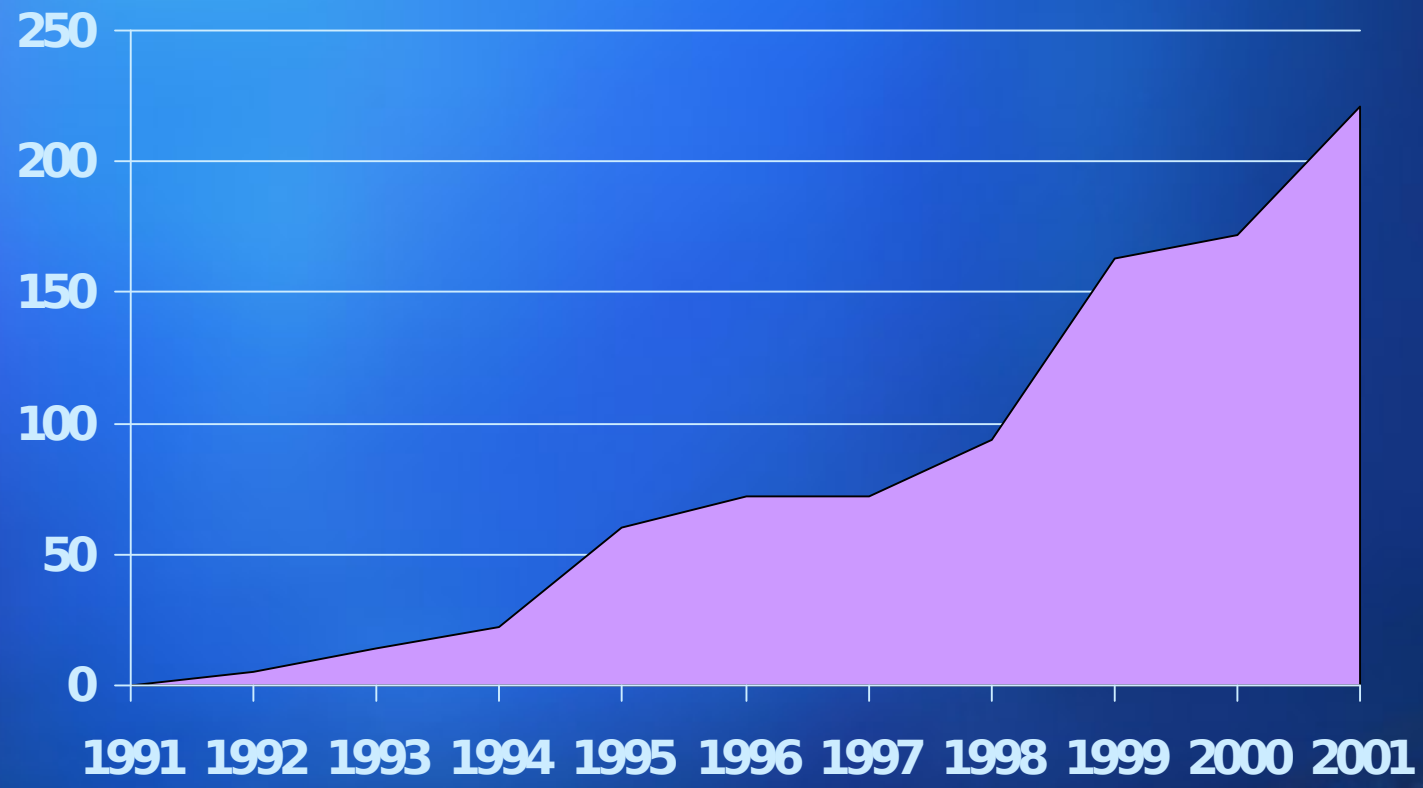
ATN

USAFE


RAF ALCONBURY
RAF CROUGHTON
RAF MILDENHALL
RAF LAKENHEATH
(2 Sites)
LAJES AB
UNITED KINGDOM
GERMANY
ITALY
RHEIN-MAIN AB
SPANGDAHLEM AB
RAMSTEIN AB
AVIANO AB
(2 Sites)

ATN

CLASSROOMS



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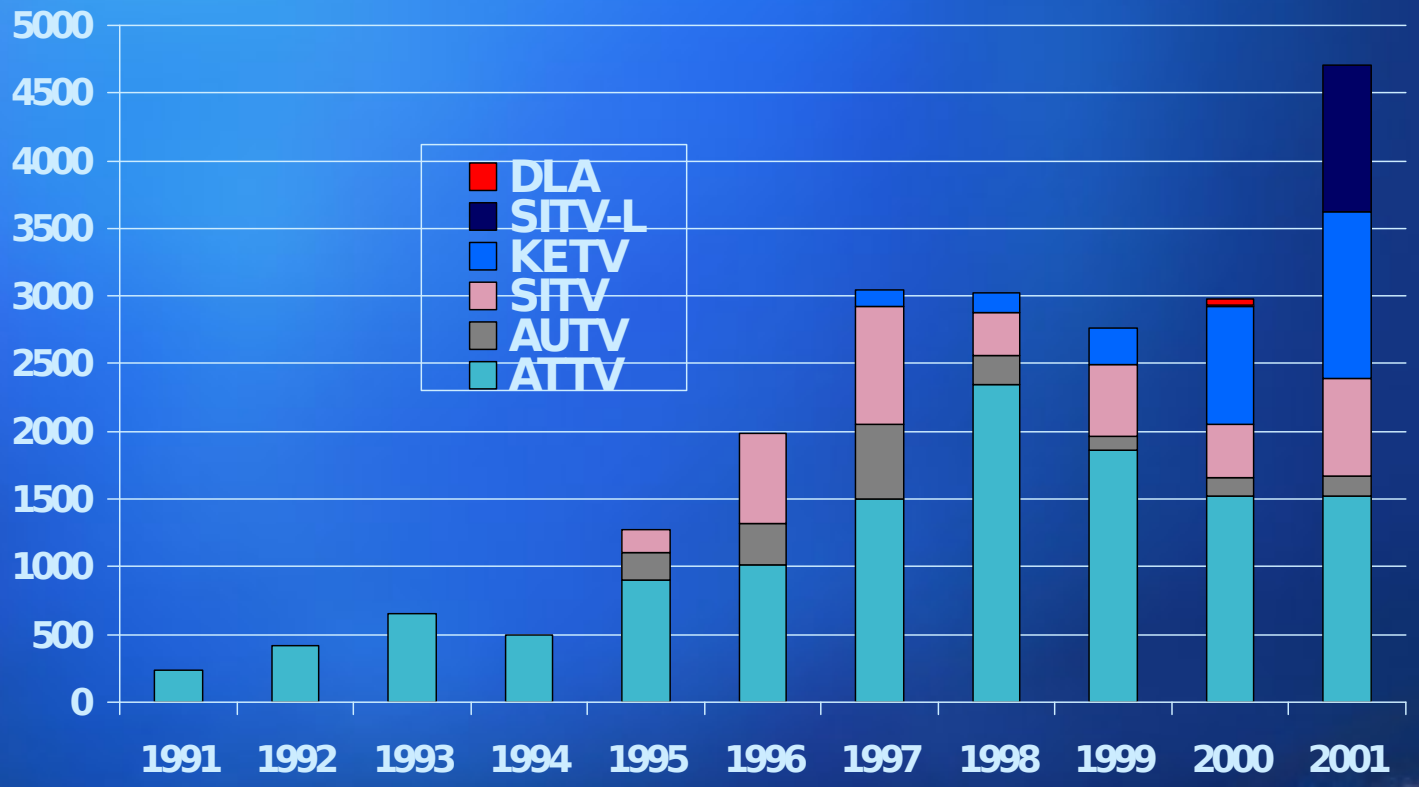
ATN

Broadcast Hours



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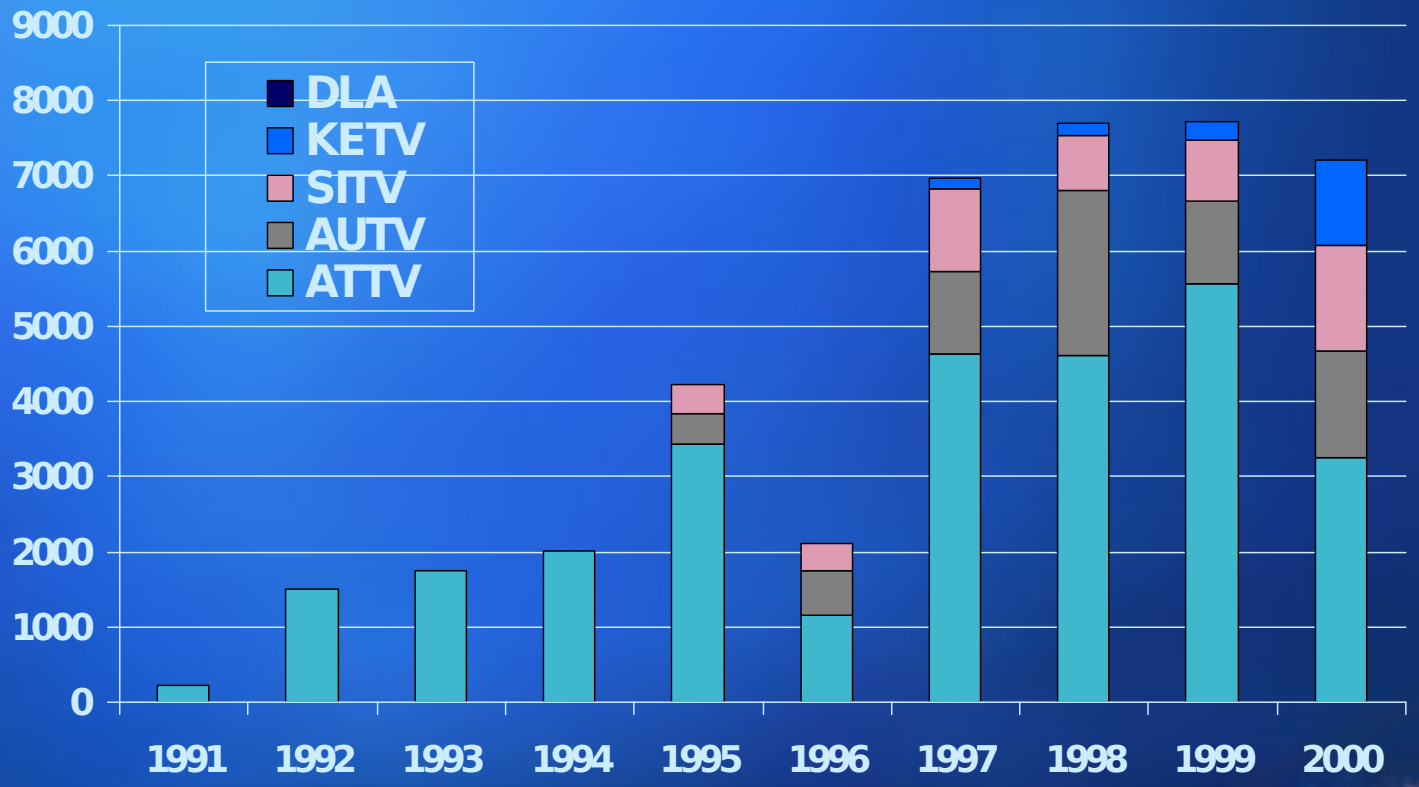
Student Throughput



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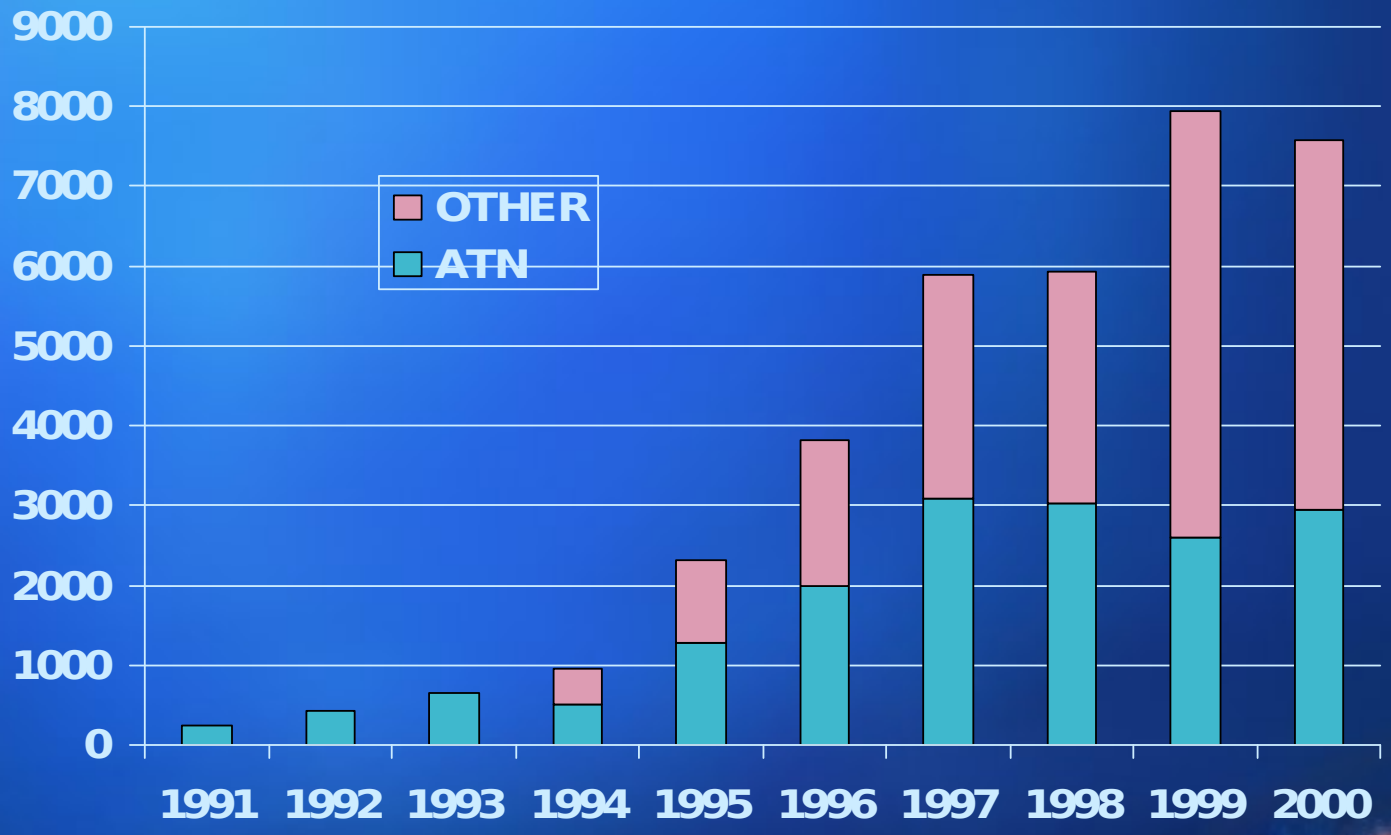
GETN

Broadcast Hours



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Rough capacity for 9 channels: 20,000 hrs, 0800-18

ATN CONUS

- **New origination sites are now operational:**
  - ***SITV-R*: AFPC - Randolph-to-SITV T-1 link**
  - ***SITV-L*: AETC/XPRT - Lackland-to-SITV T-1**

Cost Effectiveness

Based on costs incurred by AFIT 1st Half of FY00
(includes personnel & maintenance costs)

Cost per student day *in residence* = $225
Cost per student day *ITV* = $47
Cost avoidance per student day: $178
Average length of course: 5.24 business days
Number of ITV students for 1st half FY00 = 1,938
Number of student days: 10,156
Projected cost avoidance for AFIT FY00: $3,615,358

Cost Effectiveness

Based on AFIT Out-of-Pocket Costs

Two-week course: 60 Hours, 200 students

Residence TDY Travel: $454, per diem: $1,400

Total per student: $1,854; for 200: $370,800

Interactive Television: Satellite costs: $11,820

Audio costs (10 sites, 20 students per site): $1,080 Total per student: $65; for $12,900

Cost avoidance: $1,789 per student

Total per offering (200 students): $357,800

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ATN

Projects & Issues

- **DOD**: Integrating with ATN for “video-on-demand,” & store-and-forward capabilities
- **ALL MAJCOMS**: Have approval of local POCs
- **AFRC**: Order submitted--all 42 AFRC sites on ATN
- **AETC**:
  - **AF SS**: “SSTV” - adding uplink this FY (secure)
  - **2AF GSUs**: Funding submitted for 13 sites
  - **ROTC**: ATN downlink established at WSU

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Projects & Issues

- **USAFE**: Using C&C JBS network UFN
  - USAFE-to-EUCOM Request submitted
  - Lajes AB - DVS-G VTC being integrated $54/hr
- **PACAF**: Working w/SPAWAR for WestPac
  - Plan being finalized for PACAF review
  - Funding for fixed cost covered
  - Monies for out years in AFIADL APOM

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Projects & Issues

- Eielson AFB, AK
- Elmendorf AFB, AK
- Hickam AFB HI
- **Anderson AB, Guam**
- Kadena AB, Japan
- Kunsan AB, ROK
- Misawa AB, Japan
- Osan AB, ROK
- Yokota AB, Japan

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GETN

Projects & Issues

- **Follow-on *GSA* FTS niche contract:**
  - **Bids in: 21 SEP 99**
  - **Awards made 1 FEB 00**
  - **New provider *AT&T* & *CMS***
  - **Moving to MPEG2: NLT 1 DEC 00**
  - **GSA to pay transition for all GETN: $6.5M ($1.7M AF)**
  - **Cost range changed from $197/hr to $180-260/hr**
  - **Have 9 channels, 5 for DOD: 11 under new contract**
  - **Adding 8 Mbps datacasting capability**

Projects & Issues

- **IP broadcasting & MPEG2 via satellite**
  - **Scalable to 8 MBps data, voice, video**
  - **Need servers--forward store video, IMI, file transfer--all IP**

. . . A bypass technology to the public Internet and DOD firewalls

GETN

Projects & Issues

- **ATN PMO doing all scheduling for GETN**
  - **Automated sched with *Rendezvous* (daily)**
  - **Simplified ITV guide (1year view)**
  - **Displaying site status list--color coded**
  - **Completed online reservation form**
  - **Displaying sharable Site Coord' lists (e-mail lists)**
  - **New site: http://getn.govdl.org**

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THE FUTURE OF ATN

- Continued use of interactive television
- Adding IP datacasting capability with new service
  - IP multicasting, WBI, ICW, & SCOs sent to file servers @ 8Mbps
- Store-&-forward MPEG /IP video for DL & video libraries
  - Will go to video servers, desktops, and allow for VoD
- Forward large amounts of text for local printing
  - Avoids postage

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AFIADL is a member of . . .

USDLA

UNITED STATES DISTANCE LEARNING ASSOCIATION

FGDLA

FEDERAL GOVERNMENT DISTANCE LEARNING ASSOCIATION

FEEDBACK

- **General ATN or GETN Questions:**
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- **ISD, Training, & Accreditation Questions:**
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  DSN 785-7777 x 3154
- **Equipment Questions:**
  John Rogers - john.rogers@atn.wpafb.af.mil
  DSN 785-7777 x3153
- **Scheduling Questions:**
  TSgt Mark Rarey - mark.rarey@atn.wpafb.af.mil
  DSN 785-7777 x3155
- **Web sites:**
  ATN PMO: http://atn.afit.af.mil
  GETN: http://getn.govdl.org

ATN
Your questions